

receiving said reservation information packet at
said second router;

checking information in said reservation information
packet at said second router;

generating a reservation request packet at the
second router, when the check result indicates that a
reservation request packet is to be transmitted back as a
reply to said reservation information packet;

transmitting said reservation request packet back
from the second router,

receiving the reservation request packet from said
second router; and

processing with respect to said reservation request
packet to open the connection at said first router.

27. A method for opening a connection according to claim
6, wherein the step of processing at the first router
comprises the step of:

checking that said reservation request packet
corresponds to said reservation information packet that said
first router transmitted.

28. A method for opening a connection according to claim
26, wherein the step of generating said reservation request
packet at said second router comprises the step of:

including a communication parameter in said
~~reservation request packet, and~~

wherein the step of processing at the first router comprises the step of:

referring to said communication parameter that said second router have included in said reservation request packet.

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29. A method for opening a connection according to claim 28, wherein the step of processing the first router comprises the step of:

registering said communication parameter in said reservation request packet into a connection management table of said first router, and

wherein the step of generating at the second router comprises the step of registering the parameter in the reservation request packet into a connection management table of the second router.

30. A method for opening a connection according to claim 26, wherein the step of checking comprises the step of:

checking information in said reservation information packet with information for managing communication provided by said second router.

31. A method for opening a connection according to claim 30, wherein the step of checking comprises the steps of:

deciding whether to transmit said reservation

request packet back or to transfer said reservation information packet to a third router.

32. A method for opening a connection according to claim 26, said method further comprising the step of:

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setting a destination at said first router by referring to information for managing communication provided by said first router.

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Sub 33. A method for opening a connection according to claim 30, wherein the step of generating the reservation request packet comprises the step of:

determining a communication parameter by referring to information for managing communication provided by said second router.

34. A method for opening a connection according to claim 32, said method further comprising the step of:

setting said information for managing communication at said first router by referring to a managing packet that is sent to said first router.

35. A method for opening a connection according to claim 33, said method further comprising the step of:

setting the information for managing communication at said second router by referring to a managing packet that
~~is sent to said second router.~~

36. A method for opening a connection according to claim 34, wherein a management terminal is coupled to said first router, and

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wherein said method further comprises the step of:
receiving at said first router said management packet from said management terminal.

CONT 37. A method for opening a connection according to claim 35, wherein a management terminal is coupled to said second router, and

wherein said method further comprises the step of:
receiving at said second router said management packet from said management terminal.

38. A method for opening a connection according to claim 26, said method further comprising the step of:

when a result of said checking step gives no indication that said reservation request packet is to be transmitted back as a reply to said reservation information packet, transferring said reservation information packet to a third router coupled to said second router. --
